

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: October 12 and 13, 2005

Inspector: Don Ukers and Brian Sakidovitch

Location: 115 kV Underground Route

Storm/

Rain Event: Extremely significant amounts of rain were reported by NOAA since the last inspection with up to 6.25" on 10/6-10/7 and 2.31" on 10/12.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	- Bethel Educational Park: Excavation and trenching were completed before the major rains. 10/12/05	-See erosion control section for specifics. 10/12/05
Hoyts Hill Transition Structure	-Excavation for grounding was complete. 10/12/05	- See erosion control section for site specific information. 10/12/05
Gallows Hill Road and Rt. 107, Redding	-Installation of conduit was occurring from Gallows Hill up to the riser transition structure in the ROW. 10/12/05 - Crews were not working on Rt. 107 due to the rain. 10/12/05	-See additional sections for more specific information. 10/12/05
Rt. 58, Bethel	- Crews continue work along Rt. 58, transitioning conduit into vaults and installing handholes. 10/12/05 - Several new stockpiles were noted in storage areas for work to bring the roads to grade. 10/12/05	- See the erosion control and additional sections for more information. 10/12/05
Broad Street/ROW, Norwalk	- The jack and bore under the railroad on Broad St. is ongoing. 10/12/05 -Some excavation continues near the substation in the ROW 10/12/05	-Activities were fairly well contained here. 10/12/05 - Perform restoration measures along Broad St. when feasible. 10/12/05

Areas of Inspection	Observation	Recommended Action
Rt. 7, Norwalk	<ul style="list-style-type: none"> - The debris pile and stockpile have been removed. 10/12/05 - Nightwork continues in several locations along Rt. 7. Continue to monitor potential sediment/catch basin issues. 10/12/05 - Controls on the concrete washout station remain in place. 10/12/05 - Trenching from Rt. 7 into Norwalk Junction transition station is complete and the riser termination structure is installed here. 10/12/05 	<ul style="list-style-type: none"> - See erosion control section for specific information. 10/12/05 - See erosion control and storage sections regarding concrete disposal for this work. 10/12/05 - There was a spill issue and some flooding at this site See erosion control and spill sections for more information. 10/12/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- For the most part, silt fence has been well installed in most locations where the work is located adjacent to wetlands and soils are being handled appropriately. 10/12/05	- Continue to be proactive in maintenance as necessary. See below for site-specific issues. 10/12/05
	<ul style="list-style-type: none"> - All disturbed areas continue to show very good grass growth including edge areas along the ROW. 9/29-10/12/05 - The gully noted on the northern part of the ROW continues to be repaired but washed out. 10/12/05 - Excavations were backfilled and silt fence was in good shape in all locations. 10/12/05 	<ul style="list-style-type: none"> - None at this time. 10/12/05 - Haybales were placed to deflect water but the heavy rains were overwhelming. 10/12/05 - None at this time. 10/12/05
Hoyts Hill Riser Termination Structure (Off Rt. 58)	<ul style="list-style-type: none"> - Erosion controls are in good shape here and the excavation for grounding is complete. 10/12/05 - The contractor has removed the homeowner's wood debris pile as requested by the siting council. 10/12/05 	<ul style="list-style-type: none"> - Keep all areas of erosion control maintained until the area can be restored. 10/12/05 - None at this time. 10/12/05
Route 58	- Most catch basins near the work areas are being consistently placed with either haybales or fabric and are well protected. 10/12/05	- In general, contain slurry or mobile sediment to work areas and street sweep the road extent including the gutters, regularly and place and maintain controls on all catch basins and inlets. 10/12/05

Areas of Inspection	Observation	Recommended Action
Route 58 continued	- The muddy gutters near Sunset Hill Rd. were cleaned up. 10/12/05	-None at this time. 10/12/05
	- The restoration measures for the stream cut at Sara's Way are completed and flow was returned to the channel. Sand bags and the settling tank were removed from this area as the final step in the process. 10/12/05 - Crews continued to work in this area, including north of the Sunoco station. Monitor silt fence in this area as it doesn't allow much work space. 10/12/05	- None at this time. Continue to monitor as the stream is able to restore original patterns of pooling and flow. 10/12/05 - Silt fence in this area should be removed after the side of the road is seeded and mulched. 10/12/05
Gallows Hill Road	- For the most part, work on Gallows Hill Rd. is complete and all areas have been well restored. 10/12/05 - Final conduit is being installed to the ROW. This grade will need some kind of restoration when work is complete. 10/12/05	- Continue to monitor restored areas for final vegetation. 10/12/05.
Rt. 107 (Lonetown Rd)	- Work will need to return to the state Rts. to bring them to specified grade. Silt fence should remain and be maintained before work returns. Otherwise silt fence can be pulled and then reinstalled. 9/29-10/12/05 - Silt fence repairs were needed at both storage areas. 10/12/05 - Active work was noted near Lois Lane. The bank cut area here should be restored when work is complete. 10/5-10/12/05	-Maintain controls when work returns to the area. 10/12/05 - See Storage section. - None at this time but restore when work is complete. 10/5-10/12/05
Broad Street and ROW, Norwalk	- The soil stockpile and debris pile in the ROW just off Broad St. was removed. 10/12/05	-None at this time. 10/12/05
	- The silt fence is well installed along most of the ROW including near the substation where excavation was occurring. 10/12/05	-Continue to maintain silt fence if needed. 10/12/05

Areas of Inspection	Observation	Recommended Action
Broad Street and ROW, Norwalk continued	<ul style="list-style-type: none"> - Bare areas are located along the roadway edges as a result of the work. 10/12/05 - The jacking and receiving pits off Broad St. are well contained with haybales on the catch basins. 10/12/05 	<ul style="list-style-type: none"> - Restore areas as feasible and within time limits specified by the D&M plan 10/12/05 - None at this time. 10/12/05
Rt. 7, Norwalk	<ul style="list-style-type: none"> -Nightwork on Rt. 7 continues. Continue to monitor issues with sediment from sawcutting muds. 10/12/05 - The riser transition structure at Norwalk Junction was installed. The stockpile was removed but erosion controls were being flooded due to the high flow of the Norwalk River. 10/12/05 - A unapproved release of a frac truck also occurred here. 10/12/05 	<ul style="list-style-type: none"> - The vac truck approach is usually a very effective means of handling the muds. Continue to utilize consistently and remove any build up of escaped muds. - Continue to maintain silt fence since wetlands are immediately adjacent. 10/12/05 - See spill section for more details.
Contaminated Soils	<ul style="list-style-type: none"> - Contaminated soil is being stored and labeled separately from that considered “background polluted”. Contaminated soils are eventually brought off site to an O&G facility in Bridgeport. Water from contaminated soils are sent to frac trucks and tanks. Occasionally, soils are being stored temporarily at Redding Yard until they are trucked to Bridgeport or the landfill. 10/12/05 	<ul style="list-style-type: none"> - All soils appear to be handled appropriately. 10/12/05 - It has been determined that the Redding landfill will use all soils from the roadways in Redding that are considered clean, (based on acceptable RSR levels), as daily cover.
Adjacent Wetlands and Waterways	<ul style="list-style-type: none"> -The stream cut near Sara’s Way off Rt. 58 is well restored with mulch and haybales along the bank. All sandbags have been removed and the work here is completed. 10/12/05 	<ul style="list-style-type: none"> - None at this time, the restoration efforts look to be in good shape. Continue to monitor that the stream is able to reshape its channel and features through natural flow. 10/12/05
Staging, Storage, and Parking Areas	<ul style="list-style-type: none"> -The controls at the concrete washout near the Merritt cloverleaf remain in good shape after the repairs made last week. Plastic liner should still be installed here. 10/12/05 	<ul style="list-style-type: none"> - Although this washout is used for other O&G projects in the area, it still needs to be controlled to the same standards as the 115kV since this project uses it. 10/12/05

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	<p>- In Redding Town Yard, soil excavate is only temporarily stored here until it can be trucked for disposal in the O&G facility in Bridgeport or the Redding landfill.</p> <p>The additional controls installed at the Redding Yard continue to be effective in retaining the concrete washout water. Heavy flow from the outlet was observed being contained for the most part. 10/12/05</p> <p>- At the storage area off Rt. 58 near the Putnam Park entrance, a new process stone stockpile was in place but silt fence was down near the pond. 10/12/05</p> <p>- The silt fence at the yard at the intersection of Rt. 58 and Sunset Hill Rd had been flattened by trench boxes again but remains somewhat in working order. 10/12/05</p> <p>- Both of the Redding CC storage areas fences by the country club and before the turn need some repairs. 10/12/05</p>	<p>- None at this time, continue to maintain the controls as needed. 10/12/05</p> <p>-Silt fence needs restoration and monitoring here. 10/12/05</p> <p>- Continue to maintain fence and treat it as a limit of work. Vehicles should stay within the fenced areas. 10/12/05</p> <p>-None at this time. 10/12/05</p>
State species of concern, threatened and endangered species	- No species of concern are located in the areas of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p>- Mulching of bare areas is ongoing and should continue and areas should be seeded as necessary. When the areas are mulched and seeded, silt fence can be removed where work will not return. 9/7-10/12/05</p> <p>- Broad Street could use some restoration if work here is complete for the time being. 10/5-10/12/05.</p>	<p>- The D&M plan requires that disturbed areas to be left for more than 21-30 days before work returns here should be temporarily stabilized with mulch or seed within 7-14 days.</p> <p>- Continue to send restoration crews out in time with D&M requirements and seed mulch areas where needed. 10/12/05.</p>

Areas of Inspection	Observation	Recommended Action
Dewatering	<ul style="list-style-type: none"> - Almost all dewatering discharge along the route is being directed to frac trucks or tanks due to concerns about the polluted soils. 7/21-10/12/05 - Larger volumes of water at the Norwalk Junction foundation installation required the use of a frac truck. The water was later discharged here (unapproved) and a sheen was noted in some areas as a result. Water testing and environmental cleanup occurred here as a result. This had occurred prior to the inspection 10/12/05 	<ul style="list-style-type: none"> - It appears that the storage and disposal solution will continue due to concerns about the background pollutants in soils, even in those not considered contaminated. 7/21-10/12/05 - Tests came back normal and EPA was notified. The area was cleaned up by the time of inspection. 10/12/05
Blasting	<ul style="list-style-type: none"> - No blasting is occurring in any areas at this time. 	<ul style="list-style-type: none"> - None at this time.
Spills and Material Storage	<ul style="list-style-type: none"> - A report of any leaks or spills that reach the ground and occur during the week should be provided to BSC from internal project inspectors 6/15-10/12/05 - In general catch basins, inlets and swales should continue to consistently be protected especially in any area with sawcutting activities. Efforts have been good at this point. 10/12/05 - The release of water and unknown cause of sheen at Norwalk Junction has been cleaned up and contained by Fleet Environmental and use of absorbent booms. A small sheen was noted in a puddle here but it was unknown if it was caused by equipment. 10/12/05 	<ul style="list-style-type: none"> - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis and keep spill kits on hand. Report spills immediately, even if they are being controlled. - The contractors should remain vigilant about securing and handling fuel and material containers. - Equipment and materials should not be stored in wooded areas unless it is designated for storage.

Next likely scheduled inspection:

Wednesday, October 19, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Don Ukers



115kV (Broad Street and ROW): The photo on the left shows where the stockpile has been removed from the ROW. Photo on the right shows some excavation work near the Norwalk substation. Silt fence is well installed here. (10/13/05)



115kV (Route 7): Photo on the left shows catch basin controls near the jack and bore on Broad Street. Photo on the right shows the Norwalk Junction transition station where some water sampling was ongoing following a reported emptying of a frac tank that had been used for dewatering. (10/13/05)



115kV (Gallows Hill Rd. and the ROW): Conduit is being installed up to the riser transition structure on the ROW from Gallows Hill. (10/12/05)



115kV (Route 58): Photo on the left shows the Putnam Park storage area where a process stone pile is placed. Silt fence behind the pile needs to be repaired. Photo on the right shows the Sunset Hill Rd. storage area where similar stone is piled. (10/12/05)



115kV: (Redding Storage Yard) Shows the controls at the discharge pipe working well to contain runoff from the yard during heavy rain. (10/12/05)



115kV: (Bethel Educational Park). Photo on the left shows the gully area that keeps washing out on the northern ROW. Photo on the right shows an overview of the southern ROW. 10/12/05